

CLAIMS

1. (currently amended) A method for representing style information in a markup language document, comprising:

at a computing device, internally representing an application document in a word-processing application, wherein the internal representation is in a non-markup language format that is native to the application and the internal representation comprises unique properties for describing styles within the document, wherein the unique properties are defined by the application;

at a computing device, determining one or more unique properties corresponding to a style that relates to at least one section of the application document;

at a computing device, mapping the determined properties of the style into at least one of a markup language element, an attribute, and a value; and

at a computing device, storing the mapped properties of the style in the markup language document separate from the internal representation, wherein the markup language document is manipulable on a system including one of a server and another system configured to understand the markup language and to substantially reproduce the style without using the application that generated the markup language document and the style is not native to the system.

2. (previously presented) The method of Claim 1, further comprising determining whether the style is one of a set comprising a paragraph style, a character style, a table style, and a list style.

3. (original) The method of Claim 2, wherein additional properties are associated with each of the set of styles such that the custom styles are generated by selected one or more of the additional properties.

4. (original) The method of Claim 1, wherein the style is categorized according to one of a set including a version of a built-in style, a latent style, and a custom style.

5. (original) The method of Claim 4, wherein a latent style comprises a style that is a built-in style not yet instantiated by an application.

6. (previously presented) The method of Claim 1, further comprising:
determining one or more unique properties corresponding to an additional style that relates to at least one section of the application document;
mapping the determined properties of the additional style into at least one of a markup language element, an attribute, and/or a value; and
storing the mapped properties of the additional style in the markup language document.

7. – 8. (canceled)

9. (previously presented) A computer storage medium for representing style information in a markup language document, said computer storage medium storing instructions for performing the following functions:

internally representing a word-processing document in a word-processing application, wherein the internal representation is in a non-markup language format that is native to the application and the internal representation comprises unique properties for describing styles within the document, wherein the unique properties are defined by the application;

determining one or more unique properties relating to a style used within the word-processing document;

determining whether the style is one of a set including a paragraph style, character style, a table style, and a list style;

mapping the properties into at least one of a markup language element, an attribute, and/or a value; and

storing the properties in the markup language document separate from the internal representation such that the style is substantially maintained when the markup language document is parsed by an application, wherein the markup language document is manipulable on a system including one of a server and another system wherein the system is configured to

understand the markup language and to substantially reproduce the style without using the application that generated the markup language document and the style is not native to the system.

10. – 11. (canceled)

12. (previously presented) The computer storage medium of Claim 9, further comprising:

determining properties corresponding to an additional style that relates to at least one section of the application document;

mapping the properties of the additional style into at least one of a markup language element, an attribute, and/or a value; and

storing the properties of the additional style in the markup language document.

13. (previously presented) The computer storage medium of Claim 9, wherein additional properties are associated with each of the set of styles such that the custom styles are generated by selected one or more of the additional properties.

14. (previously presented) The computer storage medium of Claim 9, wherein the style is categorized according to one of a set including a version of a built-in style, a latent style, and a custom style.

15. (previously presented) The computer storage medium of Claim 9, wherein a latent style comprises a style that is a built-in style not yet instantiated by an application.

16. (previously presented) A system for representing styles in a markup language document, said system tangibly embodied on a computer storage medium and comprising:
an application that is configured to:

internally represent an application document in a word-processing application, wherein the internal representation is in a non-markup language_format that is native to the application and comprising unique properties for describing styles within the document, wherein the unique properties are defined by the application;

determine one or more unique properties relating to a style included in at least one section of the application document;

map the determined properties into at least one of a markup language element, an attribute, and/or a value; and

store the mapped properties in the markup language document separate from the internal representation, wherein the markup language document is manipulable on a system including one of a server and another system configured to understand the markup language and to substantially reproduce the style without using the application that generated the markup language document and the style is not native to the system; and

a validation engine configured to validate the markup language document.

17. (previously presented) The system of Claim 16, wherein the style is categorized according to one of a set including a version of a built-in style, a latent style, and a custom style.

18. (previously presented) The system of Claim 16, further comprising:
determining properties corresponding to an additional style that relates to at least one section of the application document;

mapping the determined properties of the additional style into at least one of a markup language element, an attribute, and/or a value; and

storing the mapped properties of the additional style in the markup language document.

19. (canceled)

20. (original) The system of Claim 16, wherein the properties of the style stored in the markup language document are understood by an application that understands the markup language when the style is not native to the application.

21. (canceled)

22. (original) The system of Claim 16, further comprising determining whether the style is one of a set including a paragraph style, a character style, a table style, and a list style.

23. (original) The system of Claim 16, wherein additional properties are associated with each of the set of styles such that the custom styles are generated by selected one or more of the additional properties.